

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504980

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504980
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC CLEAR SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

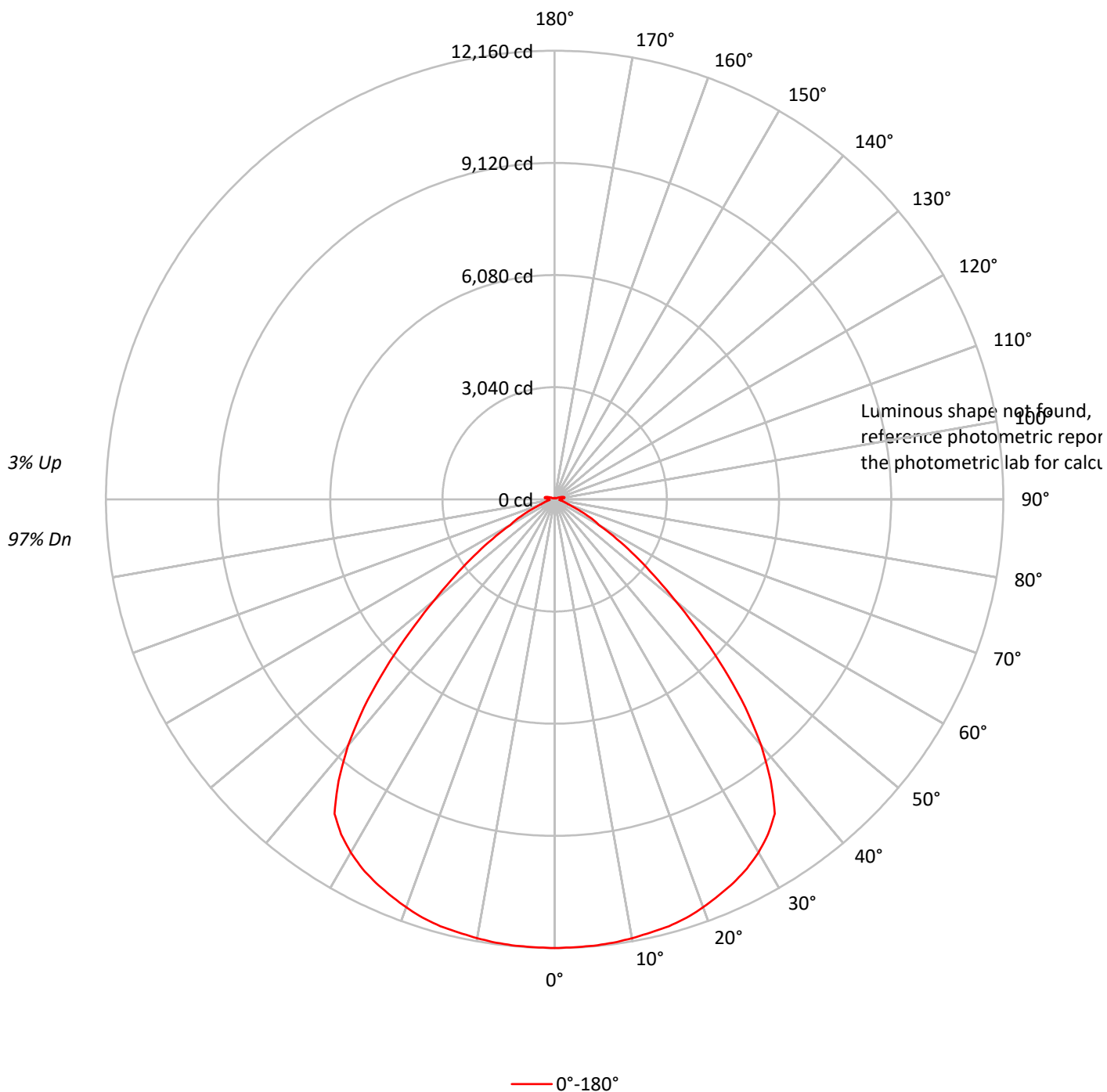
Lumens per Lamp: N/A
Luminaire Lumens: 25642.3 lumens
Efficiency: N/A
Efficacy: 160.9 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.3
Luminous Opening: Ellipsoidal Spheroid (W: 1.37' x L: 1.37' x H: 0.58')
CIE Type: Direct

Input Watts (W): 159.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1504980

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

Luminous Intensity Polar Plot



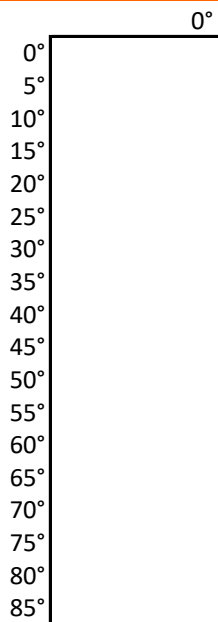
TEST NUMBER: P1504980

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	118	118	118	118	115	115	115	115		109	109	109		104	104	104		99	99	99
1	111	107	104	101	108	105	102	99		100	98	95		96	94	92		92	90	89
2	103	97	91	87	100	94	90	85		91	87	83		87	84	81		84	81	79
3	96	87	81	75	93	85	79	74		82	77	73		79	75	71		76	73	70
4	89	79	72	66	86	77	71	65		75	69	64		72	67	63		70	66	62
5	83	72	64	58	80	70	63	58		68	62	57		66	61	56		64	59	56
6	77	65	58	52	75	64	57	52		62	56	51		60	55	51		59	54	50
7	72	60	52	47	70	59	52	47		57	51	46		56	50	46		54	49	45
8	67	55	47	42	65	54	47	42		53	46	42		51	46	41		50	45	41
9	63	51	43	38	61	50	43	38		49	42	38		48	42	38		46	41	37
10	59	47	40	35	58	46	40	35		45	39	35		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1504980

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.0	4.5
10°-20°	3383.9	13.2
20°-30°	5288.1	20.6
30°-40°	6357.8	24.8
40°-50°	4973.6	19.4
50°-60°	2416.7	9.4
60°-70°	846.8	3.3
70°-80°	290.3	1.1
80°-90°	155.5	0.6
90°-100°	239.3	0.9
100°-110°	256.3	1.0
110°-120°	125.2	0.5
120°-130°	51.4	0.2
130°-140°	35.8	0.1
140°-150°	30.0	0.1
150°-160°	21.0	0.1
160°-170°	10.7	0.0
170°-180°	2.9	0.0
0°-30°	9829.0	38.3
0°-40°	16186.9	63.1
0°-60°	23577.2	91.9
0°-90°	24869.7	97.0
90°-120°	620.8	2.4
90°-150°	738.0	2.9
90°-180°	773.0	3.0
0°-180°	25642.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12160	
5°	12142	###
15°	11974	3384
25°	11468	5288
35°	10401	6358
45°	6488	4974
55°	2672	2417
65°	837	847
75°	267	290
85°	130	117
90°	148	84
95°	224	194
105°	249	256
115°	122	125
125°	54	51
135°	46	36
145°	48	30
155°	45	21
165°	37	11
175°	29	3
180°	27	

TEST NUMBER: P1504980

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	12159.7
2.5°	12148.2
5°	12142.4
7.5°	12120.1
10°	12078.0
12.5°	12022.8
15°	11974.1
17.5°	11890.8
20°	11766.2
22.5°	11621.0
25°	11467.5
27.5°	11283.6
30°	11050.9
32.5°	10765.5
35°	10400.8
37.5°	9619.5
40°	8704.6
42.5°	7650.3
45°	6487.8
47.5°	5317.1
50°	4257.0
52.5°	3391.6
55°	2672.2
57.5°	1994.9
60°	1392.6
62.5°	1135.2
65°	836.6
67.5°	569.3
70°	403.4
72.5°	319.3
75°	267.3
77.5°	222.8
80°	179.0
82.5°	146.9
85°	129.5
87.5°	130.4
90°	147.7
92.5°	184.0
95°	224.4
97.5°	258.2
100°	274.7
102.5°	269.0
105°	249.2
107.5°	219.5
110°	185.6

TEST NUMBER: P1504980

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-A-04-CLER-PS (3000K_L24_Wide_120V)

CANDELA DISTRIBUTION (continued):

	0°
112.5°	151.8
115°	122.1
117.5°	96.5
120°	76.7
122.5°	63.5
125°	54.5
127.5°	48.7
130°	46.2
132.5°	45.4
135°	46.2
137.5°	47.0
140°	47.0
142.5°	47.9
145°	47.9
147.5°	47.9
150°	47.9
152.5°	47.0
155°	45.4
157.5°	43.7
160°	42.1
162.5°	39.6
165°	37.1
167.5°	34.7
170°	32.2
172.5°	30.5
175°	28.9
177.5°	28.1
180°	27.2

(END OF REPORT)